

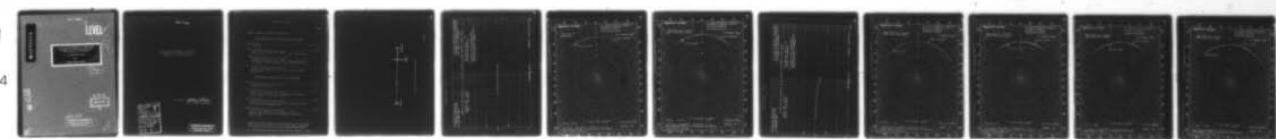
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NAVY ELECTRONICS LAB SAN DIEGO CA
CALIBRATION DATA ON SONAR DOME PAINTS.(U)
JAN 63

F/G 17/1

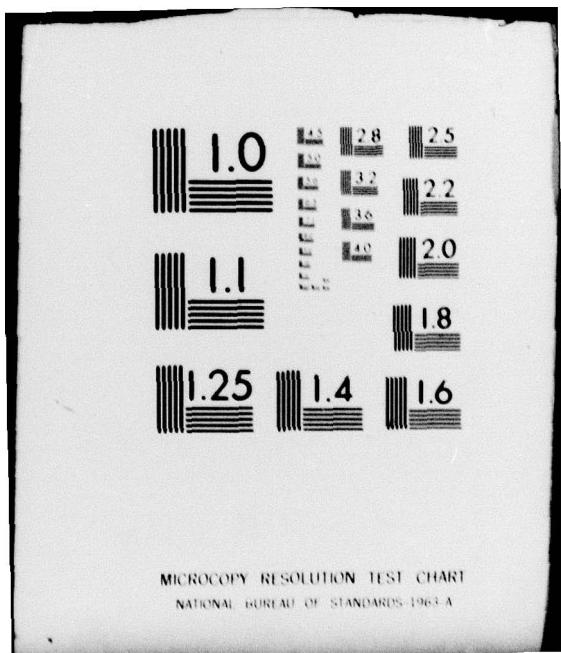
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Transducer Calibration Facility
San Diego 52, California

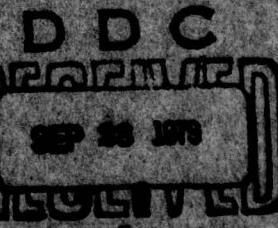
CALIBRATION DATA

on

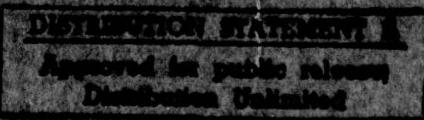
SONAR DOME PAINTS

(D)
11 Jan 63

(12) Fap.



253 550



FB

MOST Project

U.S. NAVY ELECTRONICS LABORATORY
Transducer Calibration Facility
San Diego 52, California

Approved:

Delores A. Pierce
Miss Delores A. Pierce
Head - Data Reduction

Accession For	
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DDC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
<i>Not on file</i>	
Distribution	
Availability Codes	
Dist.	Avail and/or special
A	

DISTRIBUTION STATEMENT A
Approved for public release
Distribution Unlimited

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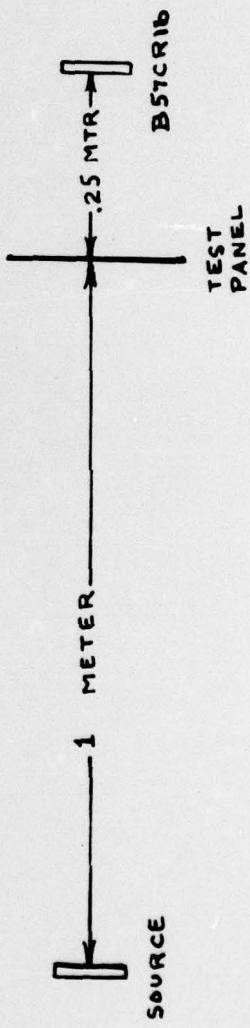
	Page
Diagram showing Mounting Arrangement.	1
<u>TYPE 304 CRES TEST PANELS (5' x 4' x 0.05")</u>	
Test Panel No. 1.	2 - 3
Uncoated	
Test Panel No. 2.	2 & 4
Sonar Dome Paints 13 mils thick: Formulas 117*, 120*, 119*, 120*, 119*, 121* and 121	
Test Panel No. 3.	2
Sonar Dome Paints 12 mils thick: Formulas 117*, 120*, 119*, 120*, 119*, X10726-58-2 (Chlorinated Rubber Primer), and 2 coats No. 134X-50	
Test Panel No. 4.	2
Sonar Dome Paints 15 mils thick: Formula 117, Devran 201, 204 and 209, and 2 coats Formula 121	
<u>HY-80 STEEL TEST PANELS (5' x 5' x 0.25")</u>	
Test Panel No. 5.	5 - 6
Sonar Dome Paints 2 mils thick: Formulas 117 and 119	
Test Panel No. 6.	5 & 7
Sonar Dome Paints 14 mils thick: Formula 117, 4 coats 119, X10726-58-2 (Chlorinated Rubber Primer), and 2 coats 134X-50	
Test Panel No. 7.	5 & 8
Sonar Dome Paints 11 mils thick: Formula 117, 2 coats each of Laminar 4G14, 4X41 and 4W1, and 2 coats Formula 121	
Test Panel No. 8.	5 & 9
Sonar Dome Paints 28 mils thick: Formula 117, Gaco N-12, 10 coats Gaco N-29, Formula 133, 2 coats 134X-50 (Front) and 2 coats 134 (Back)**	

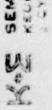
* Indicates forced drying of the particular coat of paint with hot air at 120° F ± 10° F for one hour. Otherwise all coatings air dried at ambient indoor temperatures.

** All panels coated similarly front and back except as noted.

D3769

DIAGRAM OF MOUNTING ARRANGEMENT



 SEMI LOGARITHMIC
KELVIN LOGARITHMIC
CYCLES X 70 DIVISIONS

359T-61

Measured at Sweetwater
Calibration Station
19 December 1962

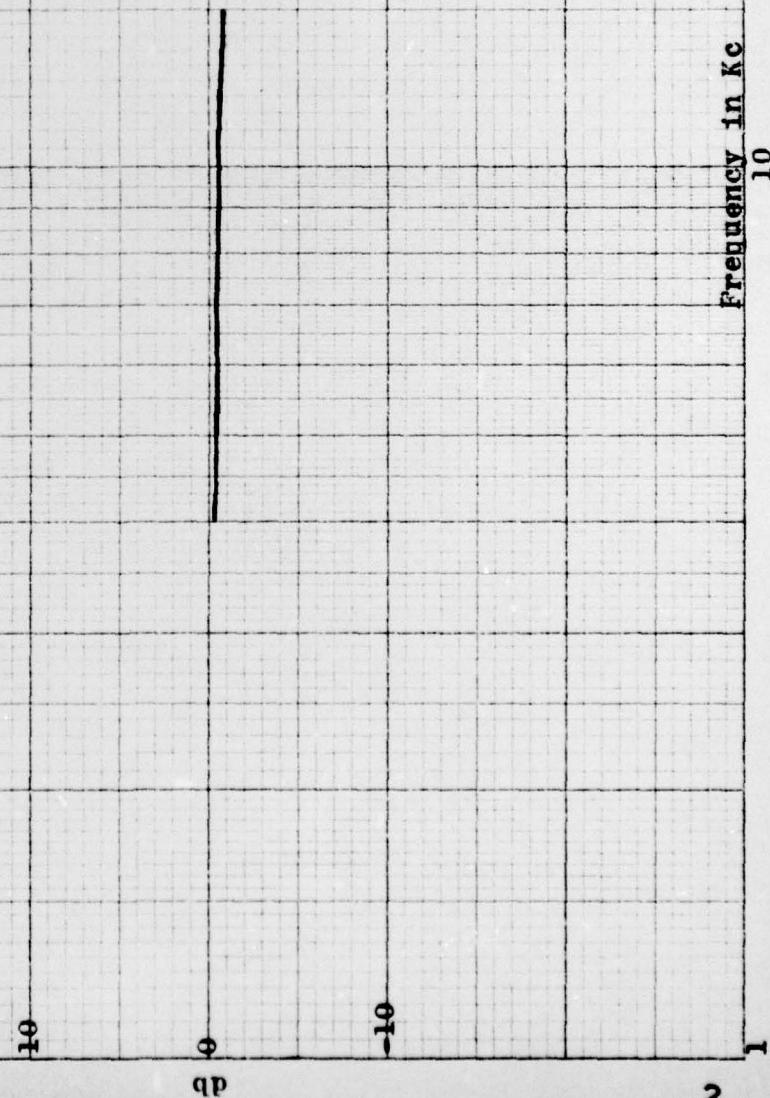
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Transducer Calibration Facility
San Diego 52, California

EFFECT OF TEST PANELS No. 1, 2, 3 and 4 (COATED and UNCOATED) ON SOUND FIELD

Temperature: 13.3°C
Depth: 3.90 meters

See Diagram, Page 1, for
mounting arrangement.

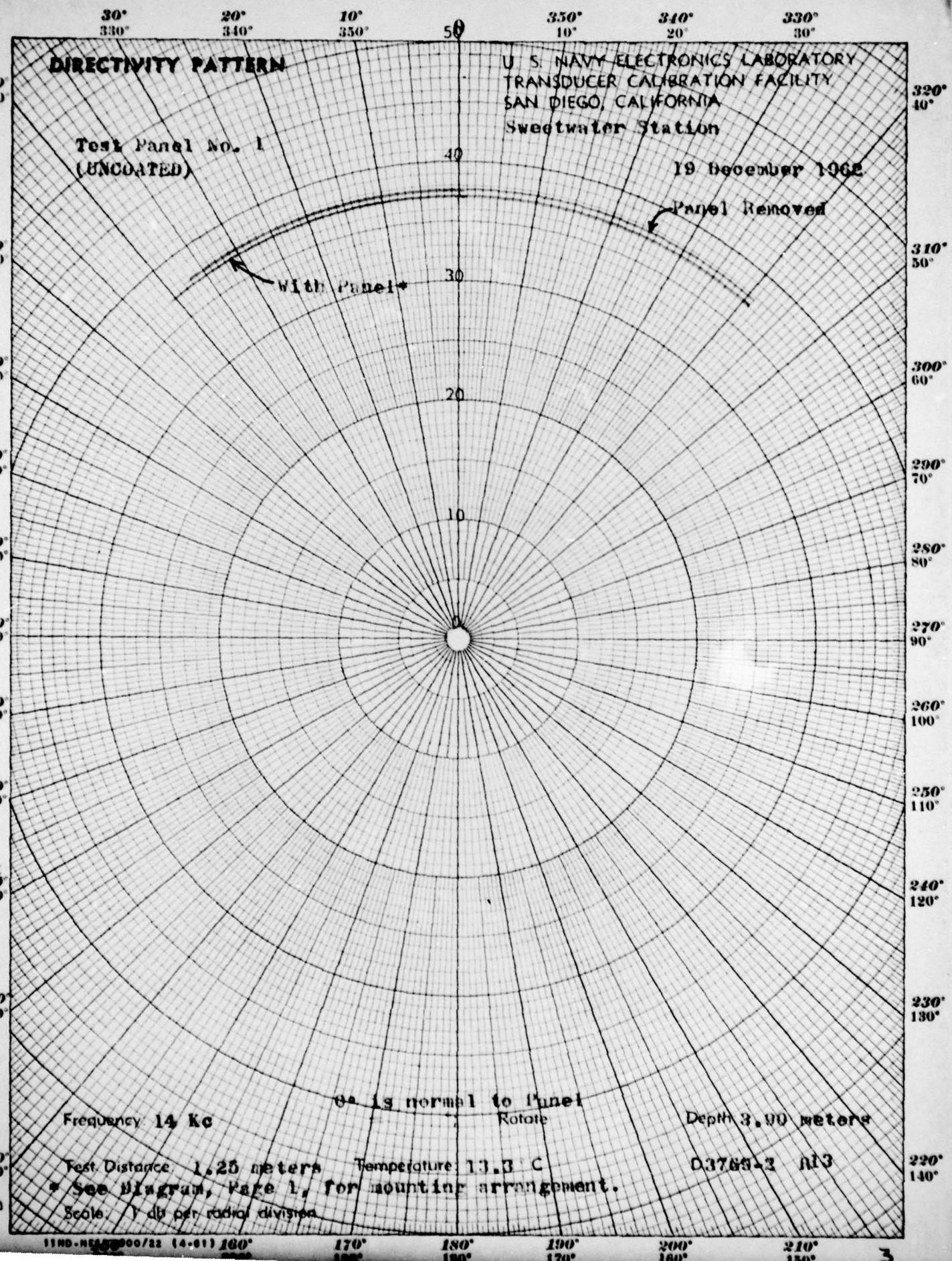
* As there was no measurable
difference between these panels
they are shown as 1 curve.



100
10
1
Frequency in Kc
R11, 12, 15 & 16
100
10
1

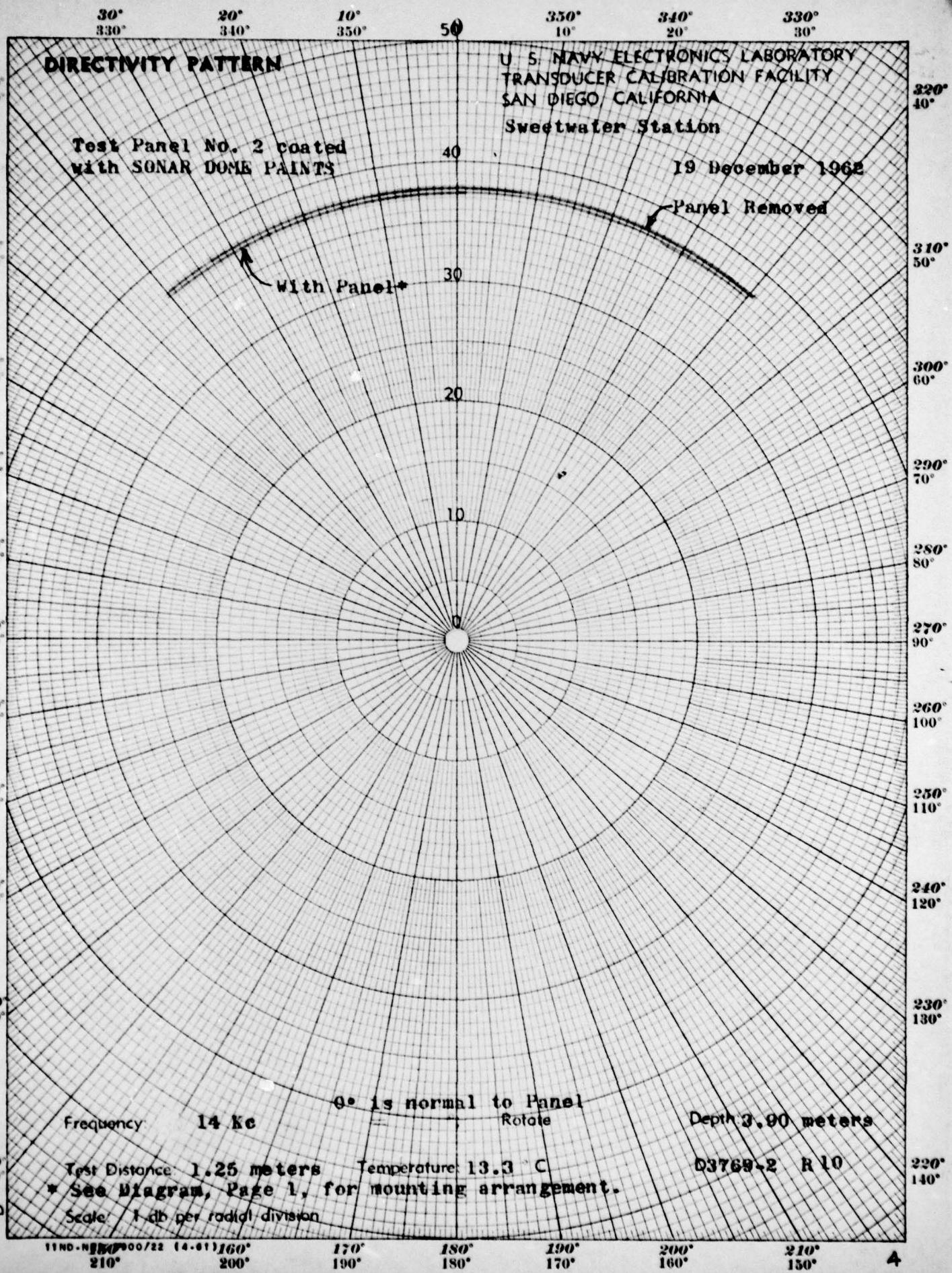
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KELVIN SEMI-LOGARITHMIC
KELFEL-KESER CO. CYCLES X 70 DIVISIONS

359T-61
WATER USA
ALBANY NY

Measured at Sweetwater
Calibration Station
18 December 1962

EFFECT of TEST PANELS No. 5, 6, 7 and 8 (COATED)* on SOUND FIELD

Temperature: 13.3°C
Depth: 3.90 meters

See Diagram, Page 1, for
mounting arrangement.

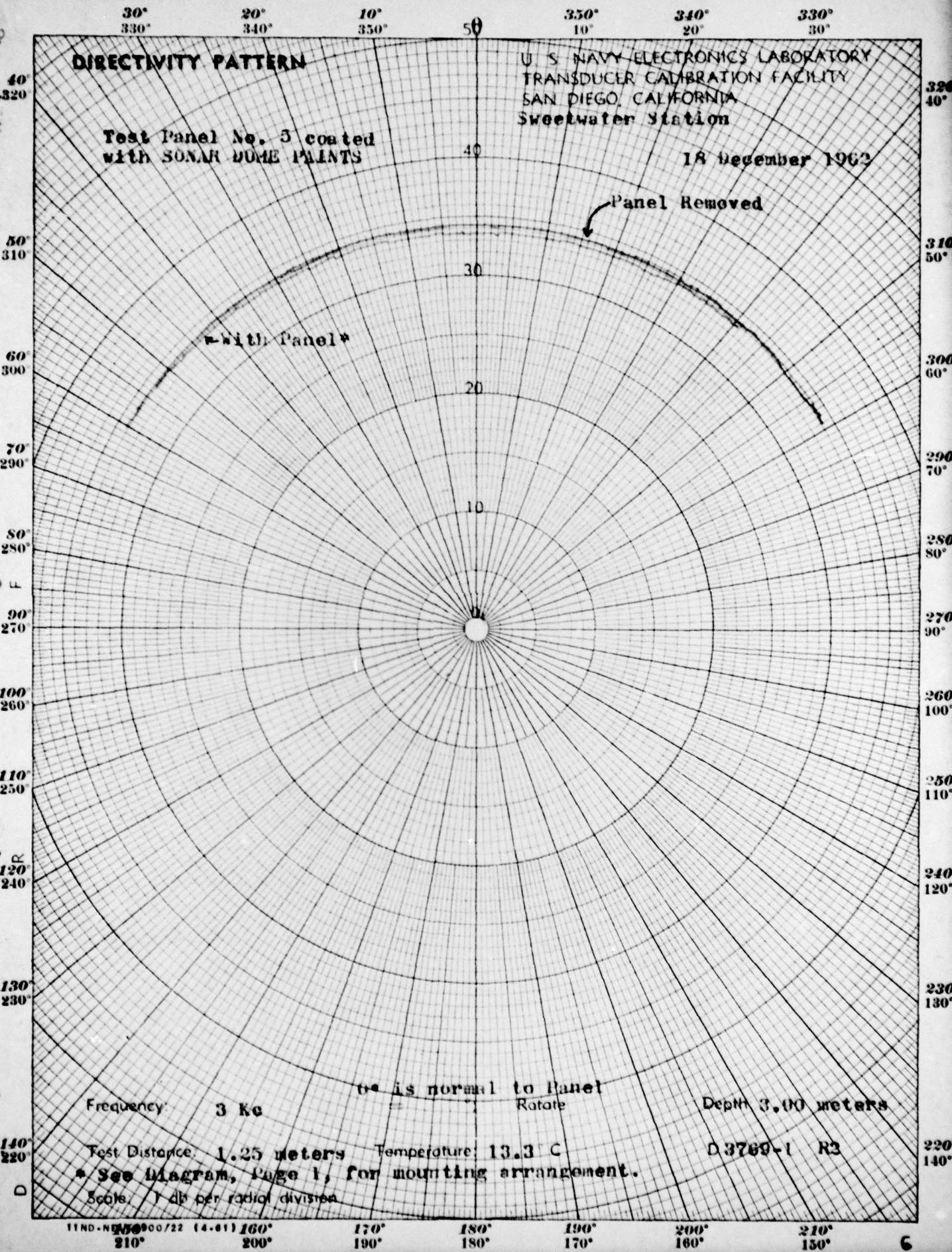
- * As there was no measurable
difference between these panels
they are shown as 1 curve.

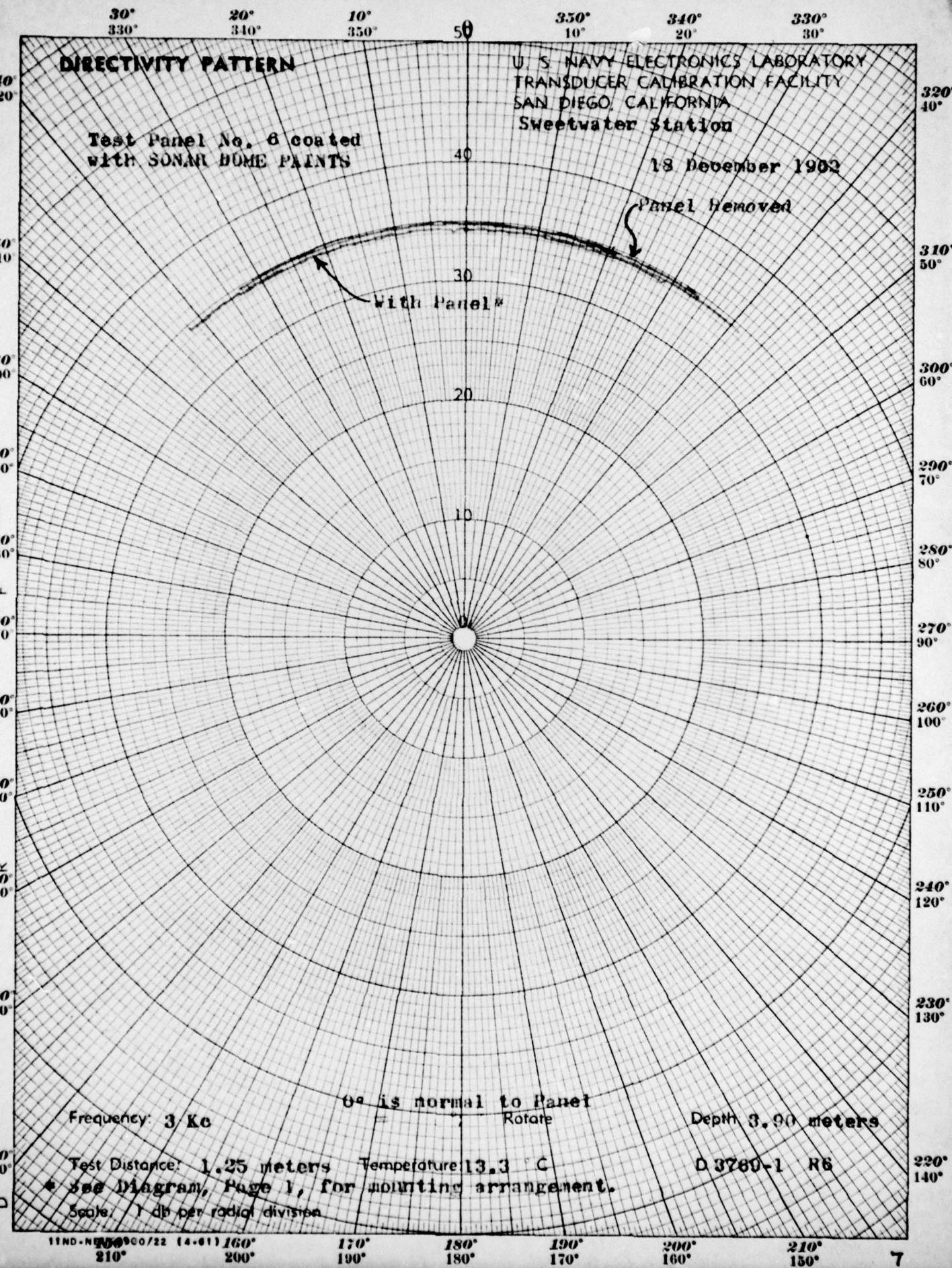


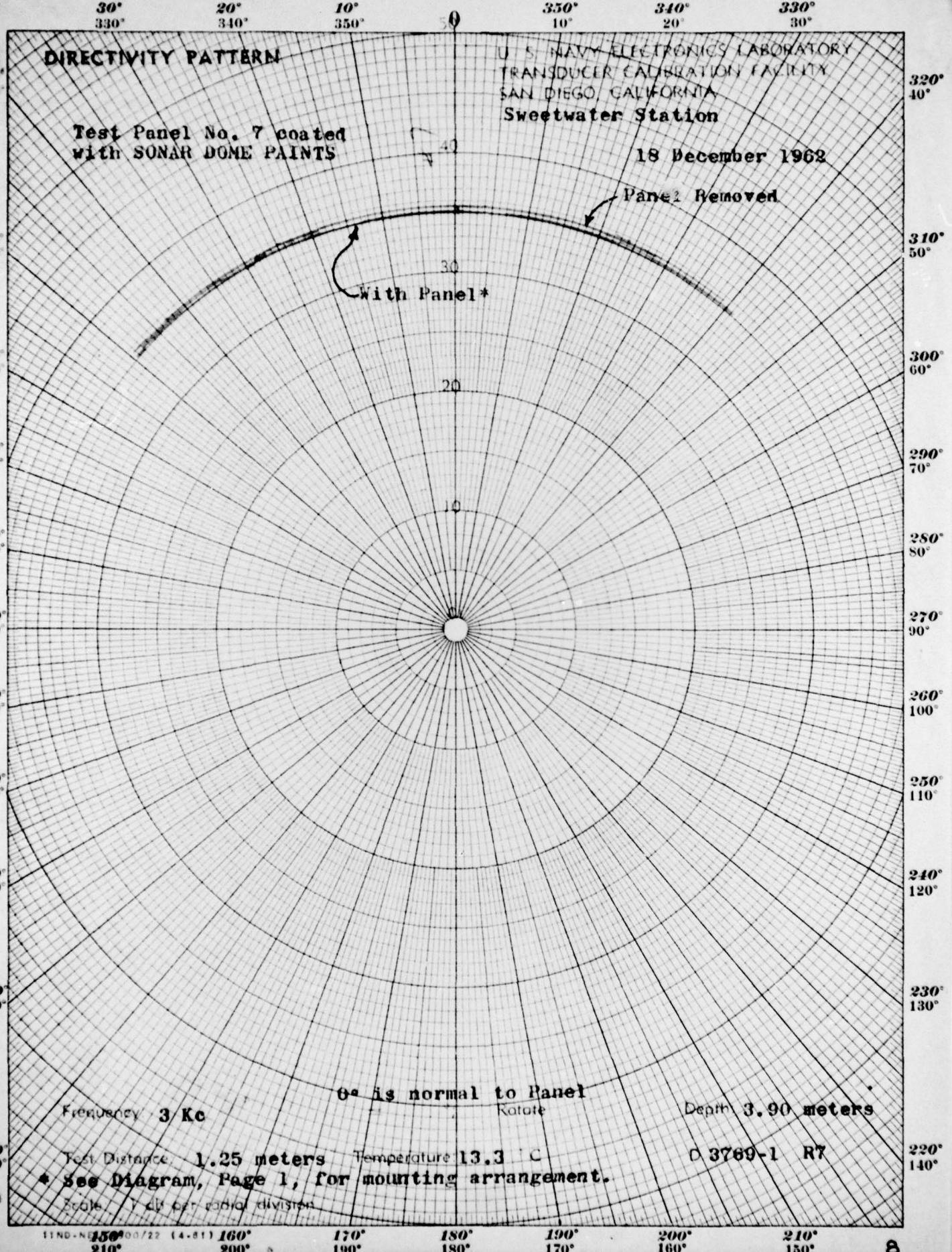
D3769-1 RI, 4, 5, & 8
Frequency in Kc 100
10
1

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PANEL 8

